

# REPLACE A LATERAL ARM

## Automatic Awning

Tools: #2 phillips screwdriver; 2mm hex wrench; 2.5 mm hex wrench; adjustable wrench or 13mm socket. Manual crank;

### A: PREPARE AWNING

1. Open awning completely (Fig.A1)
2. Use manual crank to open further until fabric starts to retract to give slack.



Fig. A1 Open awning

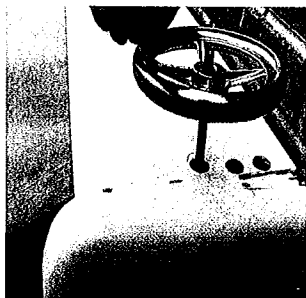


Fig. A2a - Insert crank



Fig. A2B - turn counterclockwise



Fig. A2c - create slack

### B: DISCONNECT ARM FROM FRONT BAR

1. Mark position of inner bolt on front bar
2. Remove nearest end cap of front bar.

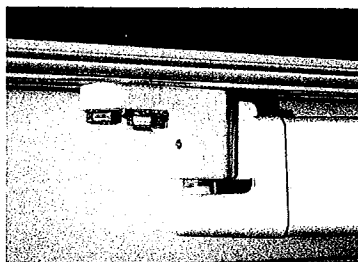


Fig. B1A - Locate Connector

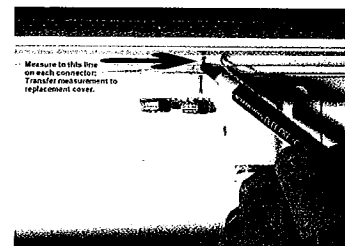


Fig. B1B - Mark bolt



Fig. B2a

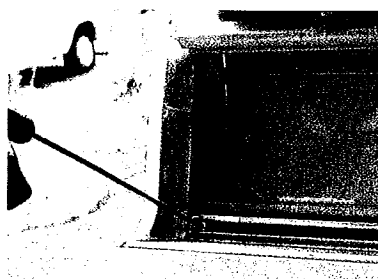


Fig. B2b - loosen set screw



Fig. B2c- Remove end cap

3. Loosen 2 bolts that secure arm connector.

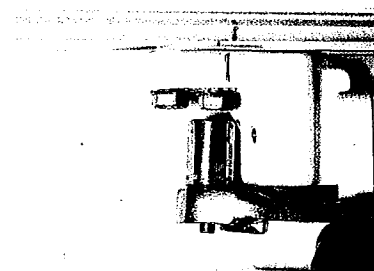


Fig. 3- loosen bolts

4. Slide connector (with arm ) completely off front bar and rest on ladder. (Fig. B4a)

(use ladder or helper to support weight of arm)  
 Loosen set screw on connector and remove from arm. Install connector on replacement arm and tighten set screw.

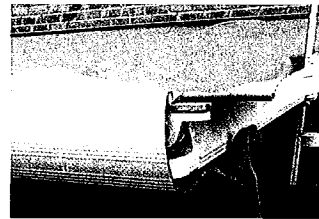


Fig. B4a -Slide Arm off

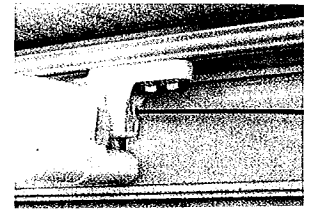


Fig. B4b - Loosen set screw

5. Loosen connector from arm using 2.5mm hex key. Remove connector and place onto new arm. Secure by tightening set

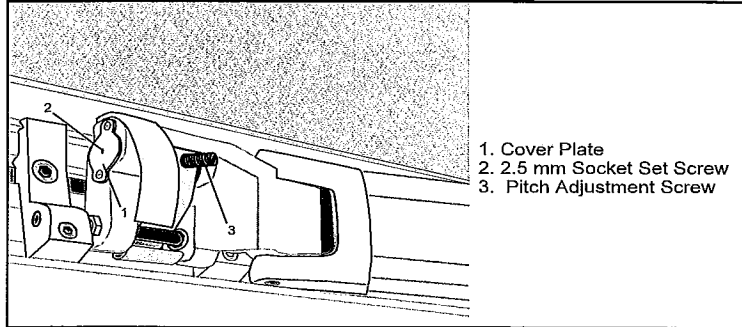


Fig. C1 - Right arm bracket

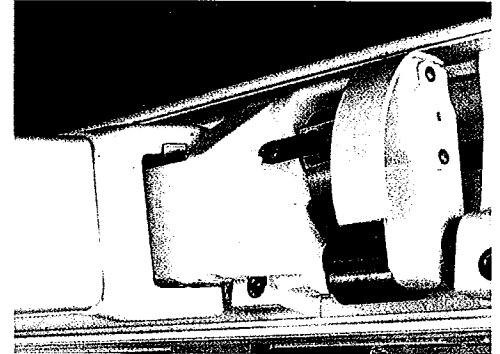
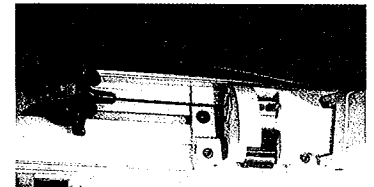


Fig. C2 - left arm bracket

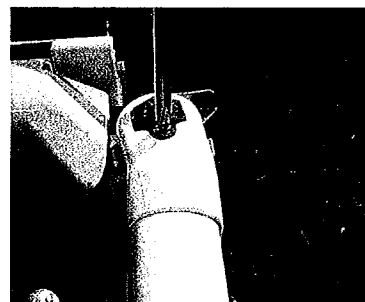
screw.

#### C: DISCONNECT ARM FROM BOX

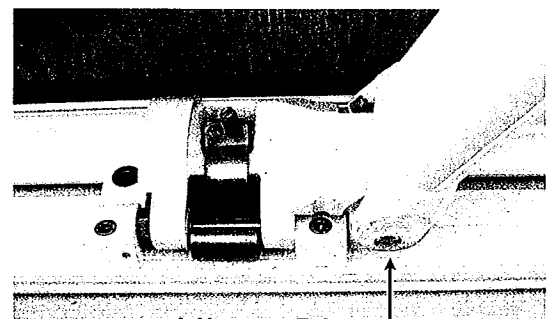
1. Insert 2.3 mm hex key into plate hole (#2 Fig. C1) and turn counterclockwise 2 turns to free pitch adjustment screw.
2. Lower arm (to provide access to screw) by using slotted screwdriver and turn Pitch Adjustment Screw (#3 Fig. C1) clockwise (screwing in) until top is flush with casting.
3. Use Phillips screwdriver and locate screw head on top of next to top arm base next to Hinge Pin Head and turn counterclockwise and remove.



4. To free arm, Push upward on Hinge Pin from underside. Note: Lift upward on arm to relieve pressure. Remove Pin and metal Safety Clip that will now be free.



Top view



Hinge Pin

#### D: CONNECT NEW ARM

1. Position Safety clip on underside of arm joint with small flanges on either side of joint and large flange toward Hinge in box as shown in Fig. D1. Start Hinge Pin through hole to retain Clip and slide joint over Hinge Base (Fig. D2) until holes are lined up. Push Hinge Pin completely into Hinge Base, with large flat edge of Pin facing small screw hole (Fig. D3)
2. Inset Phillips screw into hole next to head of Pin and tighten.
3. Tighten pitch adjustment screw to original position to raise arm
4. Slide connector in front end of arm into grooves of front bar and slide connector inward until bolt is in line with mark made in step A3. Tighten bolts.
5. Re-attach and secure end cap